

## Log: Week 2

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This week I have been mainly gathering and reading academic papers surrounding GAs, Swarm Algorithms, QGAs and any research applying these areas onto routing or network optimisation.

I have started using Zotero to keep track of any papers I have found. I am annotating papers as I read them so as to help me when I come to reference certain sections.

Papers Read:

- Quantum Genetic Optimization
- Quantum Genetic Algorithms for Computer Scientists

I have also started to write my project proposal. It is still rough as I would like feedback on my initial ideas before committing to an area of research.

I have found evidence of research into both applications of GAs onto semi-autonomous road networks and the general use-cases of QGAs. I am yet to find a paper concerned with either applications of QGAs on semiautonomous road networks or applications of GAs onto fully autonomous road networks. Therefore, I am leaning towards researching the applications of GAs on fully autonomous road networks with a view to extend into QGAs (time and ability permitting).